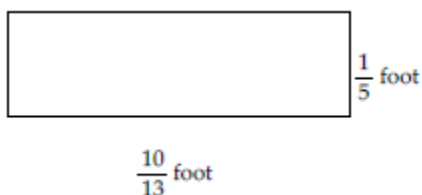


PRACTICE TEST 2 - CHAPTER GEOMETRY & 3

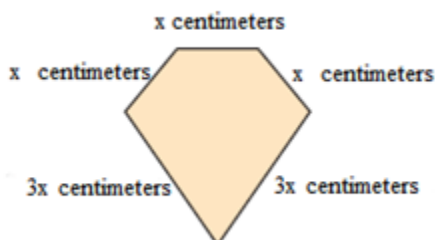
Beginning and Intermediate Algebra by Elayn Martin-Gay, 6th edition

****Reminder: Graphing Calculators will NOT be allowed on MATH 0361 tests****

1. Find the area of the figure below.
(The area of a rectangle is the product of its length and width.)



2. The perimeter of a geometric figure is the sum of the lengths of its sides. The perimeter of the pentagon (five-sided figure) below is 27 centimeters. Find the length of each side.

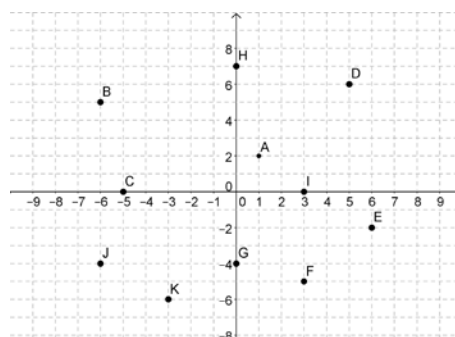


Substitute the given values into the formula and solve for the unknown variable.

3. $A = \frac{1}{2}(B + b)h$; $A = 75$, $b = 12$, $B = 13$
4. $P = a + b + c$; $P = 34$, $a = 6$, $b = 12$
5. $C = 2\pi r$; $C = 65.9$
(Use the approximation 3.14 for π)

Use the graph shown to find the x- and y-coordinates of the points.

6. point A and point C



7. Determine whether each ordered pair is a solution of the given linear equation.

$$2x + 3y = 9$$

- a) $(6, -1)$
b) $(7, 0)$

Complete the table of ordered pairs for the given linear equation.

8. $y = -x + 6$

x	y
0	
	0
-1	

Complete the table of ordered pairs for the given linear equation.

9. $x + 3y = 9$

x	y
0	
	0
	4

Complete the table of ordered pairs for the given linear equation and graph.

10. $x = -2y$

x	y
	1
	0
4	

11. $y = -3x + 4$

x	y
0	
1	
2	

Graph the linear equation:

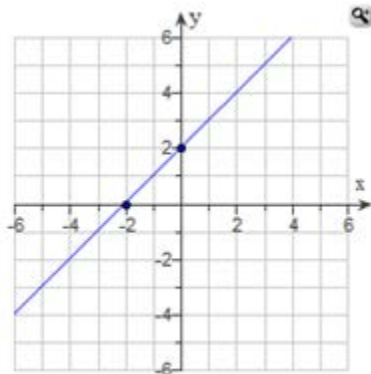
12. $y = 3x + 6$

13. $x - y = 2$

14. $y = -4$

15. $y = -\frac{3}{2}x + 3$

16. Identify the intercepts:



17. Graph the linear equation by finding and plotting its intercepts: $x - y = -7$

18. Graph the linear equation: $x = -5$

19. Graph the linear equation:
 $x + 4y = -8$

20. Simplify: $\frac{-2-1}{2-8}$

MATH0361 Practice Test 2 Answers:

1) $\frac{2}{13}$ sq ft

2) 3 cm and 9 cm

3) 6

4) $c = 16$

5) 10.5

6.) $A = (1,2)$ $C = (-5,0)$

7) a) Yes

b) No

8)

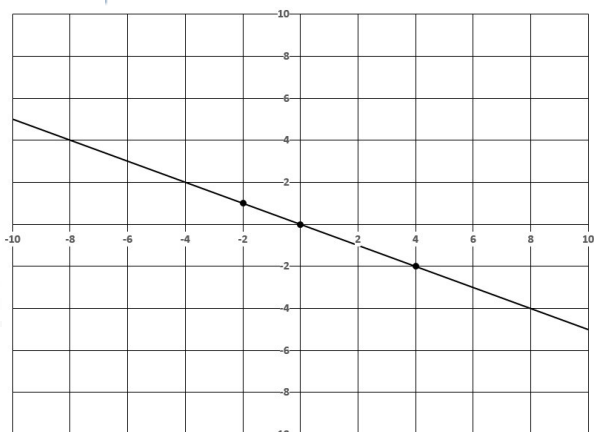
x	y
0	6
6	0
-1	7

9)

x	y
0	3
9	0
-3	4

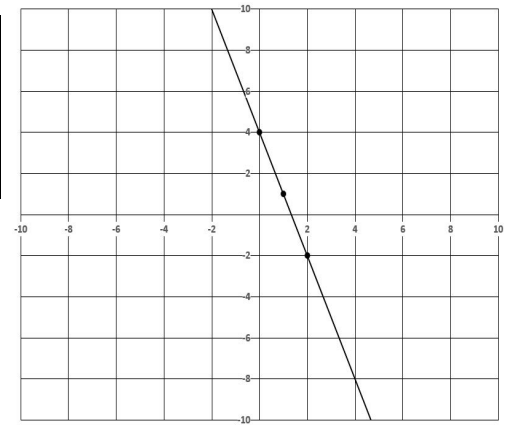
10)

x	y
-2	1
0	0
4	-2

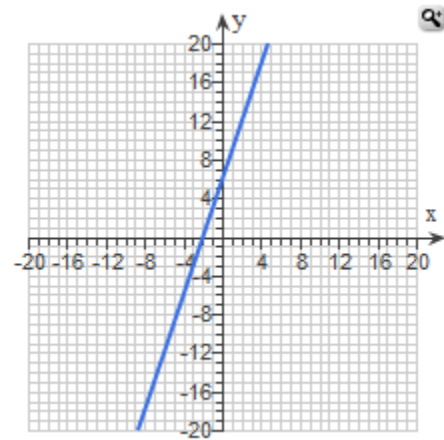


11)

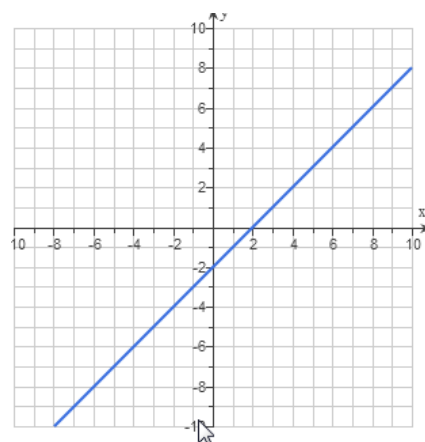
X	y
0	4
1	1
2	-2



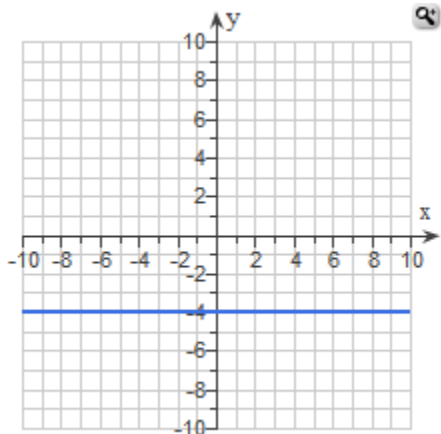
12)



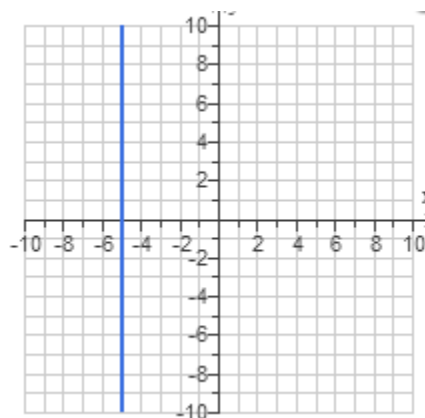
13)



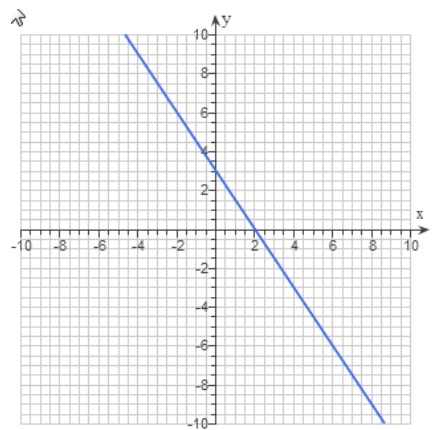
14)



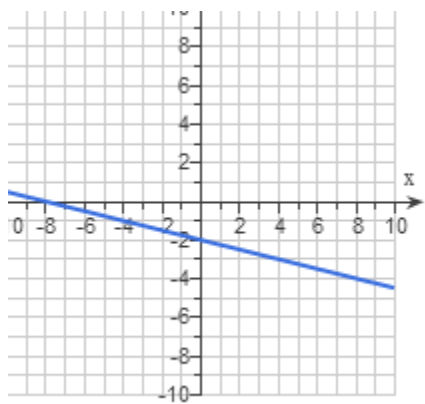
18)



15)



19)



16) (-2,0) and (0,2)

20) $\frac{1}{2}$

17)

